JOHN S. PRATT KILPATRICK STOCKTON LLP SUITE 2800

E	1100 PEACHTREE STREET ATLANTA, GA 30309		WR	ITTEN OPINION OF THE						
	4 30309		INTERNATI	ONAL SEARCHING AUTHORITY						
	14069			(PCT Rule 43bis.1)						
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ı	(1964):		Date of mailing (day/month/year)	03 MAR 2005						
MAS	Applicant's or agent's file reference		FOR FURTHER	ACTION						
	51821/0121WP		See paragraph 2 below							
		nternational filing date	(day/month/year)	Priority date (day/month/year)						
	PCT/US04/11402 14 April 2004 (100.4							
	international Patent Classification (IPC) or	both national classifica	tion and IPC							
ŀ	IPC(7): C12Q 1/68; G01N 33/53, 33/566, 33/543, 33/551 and US C1.: 435/6, 7.1, 7.92; 436/501, 518, 524									
ı				21, 100,301, 310, 324						
Į	AMERICAN NATIONAL RED CROSS									
	1 This seision									
	1. This opinion contains indications relation	ng to the following iten	ns:							
	Box No. I Basis of the op	vinion								
	Box No. II Priority									
	Box No. III Non-establishm	nent of opinion with re	gard to novelty, inver	ntive step and industrial applicability						
	Box No. IV Lack of unity		•,	applicating applicating						
	Box No. V Reasoned state applicability; c	ment under Rule 43bis itations and explanation	.1(a)(i) with regard to	novelty, inventive step or industrial						
	Box No. VI Certain docum		- orbhorane anen ara	ncane in						
	Box No. VII Certain defects	in the international app	olication							
	112.	ations on the internation	•	•						
	2. FURTHER ACTION		11							
	If a demand for international preliminar	V examination is made	thisii	considered to be a written opinion of the						
	International Preliminary Examining A Authority other than this one to be the I that written opinions of this International	DEA -data 1	opt that this tides if	of apply where the applicant chooses an						
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.										
L	3: For further details, see notes to Form PC	T/ISA/220.								
N	ame and mailing address of the ISA/ US		Authorized officer							
Mail Stop PCT, Attn: ISA/US			Gary Counts	16) 2.6						
P.O. Box 1450 Alexandria, Virginia 22313-1450			The Contract of the Contract o	308-0196 NON						
Fa	csimile No. (703) 305-3230		Telephone No. (703)	308-0196						
ron:	m PCT/ISA/237 (cover sheet) (Jamuary 2004)								

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BOX	No. I Basis of this opinion		The second secon
1. Wit	h regard to the language, this opini as filed, unless otherwise indicated	on has been established on the basis of the interna under this item.	tional application in the language in wh
	This opinion has been established which is the language of a transle	d on the basis of a translation from the original lar ation furnished for the purposes of international se	nguage into the following language
2. Wit	h regard to any nucleotide and/or ned invention, this opinion has been	r omino oxid	arch (under Rules 12.3 and 23.1(b)). tional application and necessary to the
a.	type of material	of the basis of:	•
	a sequence listing		
	table(s) related to the seque	ence listing	
b.	format of material		
	in written format		•
	in computer readable form		
c.	time of filing/furnishing	,	
	contained in international a	pplication as filed.	· .
	filed together with the intern	national application in computer readable form.	
		is Authority for the purposes of search.	•
. 🔲	In addition, in the case that more filed or furnished, the required stathe application as filed or does not onal comments:	than one version or copy of a sequence listing terments that the information in the subsequent or go beyond the application as filed, as appropriate	and/or table relating thereto has been additional copies is identical to that in , were furnished.
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Form PCT/ISA/237(Box No. I) (Jamiary 2004)

	lanations supporting such statem	ent	
1. Statement			
Novelty (N)	Claims 1-10		
	Claims NONE		
Inventive step (IS)	Claims 1-10	·	
	Claims NONE		1
Industrial applicability (IA)	Claima 1 10		
in the second se	Claims 1-10 Claims NONE		
	Ciains NONE		
. Citations and explanations:			
laims 1-10 meet the criterio act and in port			
laims 1-10 meet the criteria set out in PCT Article thool of identifying a ligand having binding spec	e 33(2)-(3), because the prior art of re	cord does not teach or fairly	y suggest a
he desert prior put -5	and a protein isoloim in a sample	e as recited in the instant cl	aims.
he dosest prior art of record is due to Piran e inds to a target. Piran et al disclose adding a	al (US 5,312,730) which teaches a	method of lidentifying a	ligand that
scloses the addition of a tracer molecule. Dir	mot solid pridse with light immobi	lized which bind to a targ	jet. Piran e
irget after it has been eluted (transferred) for	m the first reliation and addition of a sec	oong solid phase which ca	apture to th
f a second detectable marker and comparing t	he first signal to the second signal.	c releasing moss 100 teac	ग the addit
eferences Schramm, Ishikawa et I, Buettner, (
laims 1-10 meet the criterio and meet the criterio	and vey ceal leadings is	al state of the art.	
laims 1-10 meet the criteria set out in PCT Articlen be made or used in industry.	e 33(4), and thus have industrial applic	al state of the art. ability because the subject 1	matter claim
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NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amenced (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Witain 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions. Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.